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ABSTRACT OF THE DISCLOSURE

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This invention provides cell-calcification inhibitory proteins as well as genes encoding the proteins. Based on the discovery of a novel isoform gene of the c-erg gene (herein referred to as "C-11 gene") which is an erg gene derived from chickens, the nucleotide sequence of the gene has been determined, and then the expression of a protein encoded by such gene (herein referred to as "C-11 protein") has been confirmed. Further, it has been discovered that when the c-erg or C-11 gene is introduced into osteoblasts, the calcification of the cells is inhibited.